

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|--|------------------|---------|------------------|
| S1 | 339 | (345/690).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/06/15 14:16 |
| S2 | 156 | (345/691-693).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/01/15 14:48 |
| S3 | 87 | (345/694).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S4 | 11 | (345/696).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S5 | 1167 | (345/88-89).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/01/15 15:06 |
| S6 | 98 | (345/605).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S7 | 12934 | (gray adj scale) or grayscale | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:19 |
| S8 | 91 | voltage adj ((gray adj scale) or grayscale) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/12 13:38 |
| S9 | 175 | time adj2 ((gray adj scale) or grayscale) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/12 13:54 |
| S10 | 0 | (voltage adj ((gray adj scale) or grayscale)) same (time adj2 ((gray adj scale) or grayscale)) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/12 13:54 |
| S11 | 16 | (voltage adj ((gray adj scale) or grayscale)) and (time adj2 ((gray adj scale) or grayscale)) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/12 13:54 |
| S12 | 2 | ep-655726-\$.did. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/12 14:31 |
| S13 | 1 | 1995-195771.NRAN. | DERWENT | OR | OFF | 2002/08/12 14:30 |
| S14 | 2 | ep-433054-\$.did. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/12 14:50 |

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| S15 | 2 | ("5363118").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/14 13:36 |
| S16 | 2 | ("5673061").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/14 10:09 |
| S17 | 6 | "5673061".URPN. | USPAT | OR | ON | 2002/08/14 09:20 |
| S18 | 1290 | antiferroelectric | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/15 13:58 |
| S19 | 78 | thresholdless | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/15 13:58 |
| S20 | 29 | antiferroelectric with thresholdless | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/15 13:59 |
| S21 | 12468 | (gray adj scale) or grayscale | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 11:59 |
| S22 | 49 | ((gray adj scale) or grayscale) same subframe | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:13 |
| S23 | 36 | ((gray adj scale) or grayscale) with subframe | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 07:36 |
| S24 | 42 | ((((gray adj scale) or grayscale) same subframe) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:18 |
| S25 | 32 | ((((gray adj scale) or grayscale) with subframe) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 07:37 |
| S26 | 339 | (345/690).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S27 | 157 | (345/691-693).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S28 | 87 | (345/694).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |
| S29 | 12 | (345/696).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:16 |

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| S30 | 98 | (345/605).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/22 08:17 |
| S31 | 657 | ((345/690).CCLS.) or ((345/691-693).CCLS.) or ((345/694).CCLS.) or ((345/696).CCLS.) or ((345/605).CCLS.) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:17 |
| S32 | 24 | (rear adj projector) with (front adj projector) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:18 |
| S33 | 13 | (front adj projector) with three | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:19 |
| S34 | 2 | ((rear adj projector) with three) and ((front adj projector) with three) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:27 |
| S35 | 16 | (rear adj projector) with three | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:10 |
| S36 | 2 | ((345/690).CCLS.) or ((345/691-693).CCLS.) or ((345/694).CCLS.) or ((345/696).CCLS.) or ((345/605).CCLS.)) and goggle | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:31 |
| S37 | 85 | ((lcd or liquid crystal) adj2 display) with goggle | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:33 |
| S38 | 75 | ((lcd or liquid crystal) adj2 display) with goggle) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:32 |
| S39 | 13 | (two with ((lcd or liquid crystal) adj2 display)) same goggle | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:38 |
| S40 | 4 | (two with ((lcd or liquid crystal) adj2 display)) with goggle | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:39 |
| S41 | 10 | ((345/690).CCLS.) or ((345/691-693).CCLS.) or ((345/694).CCLS.) or ((345/696).CCLS.) or ((345/605).CCLS.)) and (notebook adj computer) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:40 |
| S42 | 9 | ((345/690).CCLS.) or ((345/691-693).CCLS.) or ((345/694).CCLS.) or ((345/696).CCLS.) or ((345/605).CCLS.)) and (notebook adj computer)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 08:40 |
| S43 | 0 | (rear adj projector) with (single adj plate) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:11 |

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| S44 | 15 | (rear adj projector) with plate | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:14 |
| S45 | 7 | (rear adj projector) with single | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:16 |
| S46 | 1547 | portable adj information adj terminal | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:17 |
| S47 | 141 | ((lcd or liquid crystal) adj2 display) same (portable adj information adj terminal) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:18 |
| S48 | 113 | ((lcd or liquid crystal) adj2 display) with (portable adj information adj terminal) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:18 |
| S49 | 77 | ((lcd or liquid crystal) adj2 display) with (portable adj information adj terminal)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:34 |
| S50 | 5927 | notebook adj2 computer | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:33 |
| S51 | 402 | ((lcd or liquid crystal) adj2 display) with (notebook adj2 computer) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:36 |
| S52 | 311 | ((lcd or liquid crystal) adj2 display) with (notebook adj2 computer)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:36 |
| S53 | 33 | portable adj electronic adj book | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:36 |
| S54 | 28 | (portable adj electronic adj book) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:50 |
| S55 | 2 | ((lcd or liquid crystal) adj2 display) with (portable adj electronic adj book) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:50 |
| S56 | 2 | ((lcd or liquid crystal) adj2 display) with (portable adj electronic adj book)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:51 |
| S57 | 1917 | electronic adj game | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:50 |
| S58 | 52 | ((lcd or liquid crystal) adj2 display) with (electronic adj game) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:53 |
| S59 | 47 | ((lcd or liquid crystal) adj2 display) with (electronic adj game)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 10:03 |

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| S60 | 358 | image adj reproduction adj device | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 09:53 |
| S61 | 2 | ((lcd or liquid crystal) adj2 display) same (image adj reproduction adj device) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 10:02 |
| S62 | 6612 | digital adj camera | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 10:02 |
| S63 | 255 | ((lcd or liquid crystal) adj2 display) same (digital adj camera) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 10:02 |
| S64 | 160 | ((lcd or liquid crystal) adj2 display) with (digital adj camera) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 10:03 |
| S65 | 93 | ((lcd or liquid crystal) adj2 display) with (digital adj camera)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:04 |
| S66 | 0 | subframe with ".sub." | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:14 |
| S67 | 0 | ".sub." | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:14 |
| S68 | 48 | "2.sub." | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:15 |
| S69 | 313 | "2.sup." | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:20 |
| S70 | 5 | "2.sup." and subframe | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:31 |
| S71 | 1 | "2.sup." with subframe | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:34 |
| S72 | 0 | "2" adj ".sup." | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2002/08/22 12:35 |
| S73 | 1 | ("6094243").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/07/11 12:13 |
| S74 | 1 | ("6335716").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:30 |

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| S75 | 1 | ("3792919").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:31 |
| S76 | 1 | ("5610741").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:31 |
| S77 | 1 | ("5761485").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:32 |
| S78 | 1 | ("5893798").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:32 |
| S79 | 1 | ("6085112").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:32 |
| S80 | 1 | ("6167208").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:33 |
| S81 | 1 | ("5835139").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/23 08:33 |
| S82 | 301 | (345/95).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/07/10 10:12 |
| S83 | 797 | (345/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/07/10 10:12 |
| S84 | 63 | (voltage near3 (average or medium)) same (((grey or gray) adj scale) or greyscale or grayscale) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:13 |
| S85 | 0 | ((voltage near3 (average or medium)) same (((grey or gray) adj scale) or greyscale or grayscale)) same (subframe or (sub adj frame)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/07/10 10:15 |
| S86 | 39 | ((voltage near3 (average or medium)) same (((grey or gray) adj scale) or greyscale or grayscale)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:16 |

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| S87 | 1 | (voltage near3 (average or medium)) same (subframe or (sub adj frame)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:09 |
| S88 | 1 | ("5606437").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/07/11 14:26 |
| S89 | 1 | ("6222515").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2003/07/11 14:26 |
| S90 | 16 | ("Re33882" "4781438" "4834505" "4840460" "4965565" "4969718" "5121235" "5132820" "5142392" "5144288" "5150240" "5168074" "5191452" "5235447" "5235448" "5245450").PN. | USPAT | OR | ON | 2004/01/15 14:41 |
| S91 | 684 | (345/690-696).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/01/15 14:48 |
| S92 | 3236 | (345/88-95).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/01/15 15:06 |
| S93 | 1323 | (345/88-89).CCLS. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/01/15 15:06 |
| S94 | 1840 | ((345/690-696).CCLS.) or ((345/88-89).CCLS.) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:37 |
| S95 | 4 | (voltage near3 (averag\$4 or medium)) same (subframe or (sub adj frame)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:11 |
| S96 | 912160 | ((voltage or power) adj level) averag\$4 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:12 |
| S97 | 696 | ((((345/690-696).CCLS.) or ((345/88-89).CCLS.)) and (((voltage or power) adj level) averag\$4) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:13 |
| S98 | 104 | ((voltage or power) near3 (averag\$4 or medium)) same ((gr?y adj scale) or gr?yscale) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:15 |

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| S99 | 20 | ((((345/690-696).CCLS.) or ((345/88-89).CCLS.)) and (((voltage or power) near3 (averag\$4 or medium)) same ((gr?y adj scale) or gr?yscale))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/15 15:16 |
| S100 | 16 | ((((345/690-696).CCLS.) or ((345/88-89).CCLS.)) and (((voltage or power) near3 (averag\$4 or medium)) same ((gr?y adj scale) or gr?yscale))) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:45 |
| S101 | 450 | 345/101 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:42 |
| S102 | 3197999 | data or column or source or drain | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:43 |
| S103 | 365 | 345/101 and (data or column or source or drain) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:43 |
| S104 | 126942 | (data or column or source or drain) near2 driv\$3 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:25 |
| S105 | 7170 | (temperature or thermometer or heat) same ((data or column or source or drain) near2 driv\$3) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:50 |
| S106 | 198 | 345/101 and ((data or column or source or drain) near2 driv\$3) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:50 |
| S107 | 159 | (345/101 and ((data or column or source or drain) near2 driv\$3)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:50 |
| S108 | 72 | 345/101 and ((temperature or thermometer or heat) same ((data or column or source or drain) near2 driv\$3)) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 13:50 |
| S109 | 61 | (345/101 and ((temperature or thermometer or heat) same ((data or column or source or drain) near2 driv\$3))) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:29 |
| S110 | 1052893 | gate or row or scan | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:25 |
| S111 | 40771 | (gate or row or scan) near2 driv\$3 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:26 |
| S112 | 206940 | ((adjust\$4 or variable) near2 (resist\$4 or volt\$3)) or brightness | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:28 |

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|----------|--------|---|--------------------------------|----|----|------------------|
| S11 3 | 871 | ((gate or row or scan) near2 driv\$3) same (((adjust\$4 or variable) near2 (resist\$4 or volt\$3)) or brightness) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:29 |
| S11 4 | 152671 | (liquid adj crystal adj (display or pan?l)) or lcd | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/16 14:29 |
| S11 5 | 72 | ((gate or row or scan) near2 driv\$3) same (((adjust\$4 or variable) near2 (resist\$4 or volt\$3)) or brightness)) same ((liquid adj crystal adj (display or pan?l)) or lcd) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:15 |
| S11 6 | 44 | ((gate or row or scan) near2 driv\$3) same (((adjust\$4 or variable) near2 (resist\$4 or volt\$3)) or brightness)) same ((liquid adj crystal adj (display or pan?l)) or lcd)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:17 |
| S11 7 | 6 | ((contrast) near2 driv\$3) same (((adjust\$4 or variable) near2 (resist\$4 or volt\$3)) or brightness)) same ((liquid adj crystal adj (display or pan?l)) or lcd)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:05 |
| S11 8 | 79 | ((gate or row or scan) near2 driv\$3) same (contrast)) same ((liquid adj crystal adj (display or pan?l)) or lcd)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:11 |
| S11 9 | 2 | ((gate or row or scan) near2 driv\$3) same (potentiometer)) same ((liquid adj crystal adj (display or pan?l)) or lcd)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:18 |
| S12 0 | 40817 | ((gate or row or scan) near2 driv\$3) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:15 |
| S12 1 | 74620 | (adjust\$4 or variable) near2 (resist\$4) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:16 |
| S12 2 | 121330 | ((adjust\$4 or variable) near2 (resist\$4)) or potentiometer | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:17 |
| S12 3 | 477 | ((gate or row or scan) near2 driv\$3) same (((adjust\$4 or variable) near2 (resist\$4)) or potentiometer) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:17 |
| S12 4 | 415 | ((gate or row or scan) near2 driv\$3)) same (((adjust\$4 or variable) near2 (resist\$4)) or potentiometer)) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:19 |
| S12 5 | 152805 | ((liquid adj crystal adj (display or pan?l)) or lcd) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:19 |

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| S12 6 | 33 | (((((gate or row or scan) near2 driv\$3)) same (((adjust\$4 or variable) near2 (resist\$4)) or potentiometer)) and (((liquid adj crystal adj (display or pan?l)) or lcd)) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:19 |
| S12 7 | 25 | (((((gate or row or scan) near2 driv\$3)) same (((adjust\$4 or variable) near2 (resist\$4)) or potentiometer)) and (((liquid adj crystal adj (display or pan?l)) or lcd))) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/01/20 10:19 |
| S12 8 | 78842 | d\$1a adj convert\$3 or DAC | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:04 |
| S12 9 | 9 | "D-A-C" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 11:56 |
| S13 0 | 3 | "D/A/C" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 11:57 |
| S13 1 | 23027 | "D\A\C" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 11:58 |
| S13 2 | 159230 | (d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 11:58 |
| S13 3 | 16098 | (gray adj scale) or gray\$1scale | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:00 |
| S13 4 | 20149 | (gr?y adj scale) or gr?y\$1scale | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:00 |
| S13 5 | 26356 | D\$1A\$1C | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:02 |
| S13 6 | 154426 | ((gr?y adj scale) or gr?y\$1scale) or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C") | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:02 |
| S13 7 | 142974 | D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C") | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:03 |
| S13 8 | 267 | ((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:04 |

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| S13 9 | 161 | ((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:13 |
| S14 0 | 13357 | "2"\$1sup\$1n | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:45 |
| S14 1 | 811 | ("2"\$1sup\$1n).ab. | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:41 |
| S14 2 | 34 | ((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) and "2"\$1sup\$1n | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:42 |
| S14 3 | 21 | ((((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) and "2"\$1sup\$1n) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:14 |
| S14 4 | 5 | ((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) same "2"\$1sup\$1n | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:13 |
| S14 5 | 2 | ((((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) same "2"\$1sup\$1n) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:07 |
| S14 6 | 37651 | "2"\$1sup\$2 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:12 |
| S14 7 | 53 | ((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) and "2"\$1sup\$2 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 12:45 |
| S14 8 | 31 | ((((gr?y adj scale) or gr?y\$1scale) same (D\$1A\$1C or ((d\$1a adj convert\$3 or DAC) or "D-A-C" or D\$A\$C or "D\A\C")) and "2"\$1sup\$2) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:01 |
| S14 9 | 223381 | voltage near2 high | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:11 |
| S15 0 | 142500 | voltage near2 low | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:11 |
| S15 1 | 55768 | (voltage near2 high) same (voltage near2 low) | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:03 |

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|----------|-------|--|---|----|-----|------------------|
| S15 2 | 75854 | ((d\$1a adj convert\$3 or DAC) or D\$1A\$1C | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:03 |
| S15 3 | 90383 | ((d\$1a adj2 convert\$3) or D\$1A\$1C | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:41 |
| S15 4 | 328 | ((voltage near2 high) same (voltage near2 low)) same ((d\$1a adj2 convert\$3) or D\$1A\$1C) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:06 |
| S15 5 | 11 | "2"\$1sup\$2 same (((voltage near2 high) same (voltage near2 low)) same ((d\$1a adj2 convert\$3) or D\$1A\$1C)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:06 |
| S15 6 | 4 | ("2"\$1sup\$2 same (((voltage near2 high) same (voltage near2 low)) same ((d\$1a adj2 convert\$3) or D\$1A\$1C))) and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:28 |
| S15 7 | 6935 | ((d\$1a adj2 convert\$3) or D\$1A\$1C | USOCR | OR | ON | 2004/10/07 13:11 |
| S15 8 | 44159 | voltage near2 high | USOCR | OR | ON | 2004/10/07 13:11 |
| S15 9 | 31703 | voltage near2 low | USOCR | OR | ON | 2004/10/07 13:11 |
| S16 0 | 14871 | (voltage near2 high) and (voltage near2 low) | USOCR | OR | ON | 2004/10/07 13:11 |
| S16 1 | 12569 | (voltage near2 high) same (voltage near2 low) | USOCR | OR | ON | 2004/10/07 13:11 |
| S16 2 | 0 | ((d\$1a adj2 convert\$3) or D\$1A\$1C) same "2"\$1sup\$2 | USOCR | OR | ON | 2004/10/07 13:13 |
| S16 3 | 37 | "2"\$1sup\$2 | USOCR | OR | ON | 2004/10/07 13:13 |
| S16 4 | 1 | ("5673061").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2004/10/07 13:41 |
| S16 5 | 0 | ((("5673061").PN.) and ((d\$1a adj2 convert\$3) or D\$1A\$1C) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 13:42 |

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|----------|-------|--|---|-----|-----|------------------|
| S16 6 | 19 | US-5677704-\$.DID. OR US-5712651-\$. DID. OR US-5784040-\$.DID. OR US-6020869-\$.DID. OR US-6028588-\$. DID. OR US-6067066-\$.DID. OR US-6127991-\$.DID. OR US-6160533-\$. DID. OR US-6165824-\$.DID. OR US-6229583-\$.DID. OR US-6232941-\$. DID. OR US-6239781-\$.DID. OR US-6320565-\$.DID. OR US-6323871-\$. DID. OR US-6335717-\$.DID. OR US-6353435-\$.DID. OR US-6452583-\$. DID. OR US-6459416-\$.DID. OR US-6462728-\$.DID. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/10/07 14:33 |
| S16 7 | 1 | ("6181310").PN. | USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2002/08/15 11:13 |
| S16 8 | 50 | (US-5659331-\$ or US-4308561-\$ or US-6292226-\$ or US-5319395-\$ or US-5712651-\$ or US-4779083-\$ or US-5261050-\$ or US-5408249-\$ or US-5179528-\$ or US-5303200-\$ or US-5351084-\$ or US-6025829-\$ or US-6052107-\$ or US-4435779-\$ or US-4471464-\$ or US-4471463-\$ or US-4768029-\$ or US-4868552-\$ or US-4872064-\$ or US-4921334-\$ or US-4990917-\$ or US-5189406-\$ or US-5300949-\$ or US-5384904-\$ or US-5448258-\$ or US-5621426-\$).did. or (US-5623278-\$ or US-5635950-\$ or US-5686933-\$ or US-5859633-\$ or US-6002452-\$ or US-6052112-\$ or US-4432009-\$ or US-4471349-\$ or US-4486785-\$ or US-4870479-\$ or US-4885576-\$ or US-5185655-\$ or US-5196946-\$ or US-5253078-\$ or US-5258826-\$ or US-5263099-\$ or US-5270832-\$ or US-5341318-\$ or US-5347621-\$ or US-5363119-\$ or US-5367314-\$ or US-5453757-\$ or US-5519668-\$ or US-5583531-\$).did. | USPAT | ADJ | ON | 2005/06/14 11:15 |
| S16 9 | 14441 | sub\$1frame or (sub adj frame) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 12:15 |
| S17 0 | 1 | S168 and S169 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:20 |
| S17 1 | 50 | S168 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:58 |

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|----------|-------|--|---|-----|----|------------------|
| S17 2 | 2740 | ((345/690-696).CCLS.) or ((345/88-89).CCLS.) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 11:37 |
| S17 3 | 151 | S169 and S172 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/14 11:58 |
| S17 4 | 60 | S173 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 12:17 |
| S17 5 | 48210 | ("n" or "m") adj (bit\$2 or byte) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 12:16 |
| S17 6 | 164 | S169 with S175 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 12:16 |
| S17 7 | 6 | S176 and S172 | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/14 12:17 |
| S17 8 | 4 | S177 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 14:22 |
| S17 9 | 52566 | TFT or (thin adj film adj transist\$4) or (thin\$1film adj transist\$4) or (thin\$1film\$1transist\$4) or (thin adj film\$1transist\$4) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 15:12 |
| S18 0 | 598 | driv\$1 adj S179 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:19 |
| S18 1 | 2 | swith\$3 adj S179 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:21 |
| S18 2 | 2850 | switch\$3 adj S179 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:21 |
| S18 3 | 13 | (S180 same S182).ab. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:24 |
| S18 4 | 5 | S183 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 14:25 |

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|----------|-------|--|---|-----|-----|------------------|
| S18 5 | 81 | S180 same S182 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:24 |
| S18 6 | 2740 | ((345/690-696).CCLS.) or ((345/88-89).CCLS.) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 14:24 |
| S18 7 | 6 | S185 and S186 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 14:25 |
| S18 8 | 0 | S187 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 14:25 |
| S18 9 | 6 | S185 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 14:49 |
| S19 0 | 685 | (345/92).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/06/15 14:49 |
| S19 1 | 276 | S190 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 15:13 |
| S19 2 | 52566 | TFT or (thin adj film adj transist\$4) or (thin\$1film adj transist\$4) or (thin\$1film\$1transist\$4) or (thin adj film\$1transist\$4) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 15:12 |
| S19 3 | 18033 | drain with S192 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 15:13 |
| S19 4 | 448 | S190 and S193 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/06/15 15:13 |
| S19 5 | 176 | S194 and @ad<"19990318" | USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/06/15 15:13 |
| S19 6 | 51 | ("4021798" "4042854" "4537471" "4870396" "5095248" "5095304" "5105288" "5165075").PN. OR ("5349366").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2005/06/15 17:54 |
| S19 7 | 1 | ("4042854").PN. | US-PGPUB; USPAT | OR | OFF | 2005/06/16 14:07 |
| S19 8 | 1 | ("5349366").PN. | US-PGPUB; USPAT | OR | OFF | 2005/06/15 18:21 |